

WHAT IS CLAIMED IS:

1. A scanning apparatus, comprising:

a scanning platform, on which is placed a document sheet having a front side and an opposite reverse side;

5 a racetrack, assembled in the scanning apparatus in a manner to include a first track portion and a second track portion that are connected to each other in a manner to oppositely face the scanning platform; and

a scanning module, slidably mounted to the racetrack to slide there along to capture images of the front and reverse sides of the document sheet.

10 2. The apparatus of claim 1, wherein the racetrack is formed with a U-shaped contour.

3. The apparatus of claim 1, wherein the racetrack is formed with a closed contour around the scanning platform, along which the scanning module is capable of cyclically sliding.

15 4. The apparatus of claim 1, wherein the scanning module includes an engaging end that slidably engages with the racetrack to achieve a slidable connection there between.

5. The apparatus of claim 1, wherein the engaging end of the scanning module is formed in a T-shape to slidably engage a longitudinal slot running along the racetrack.

20 6. The apparatus of claim 1, wherein the engaging end of the scanning module is formed in a spherical shape to slidably engage a cylindrical cavity of the racetrack.

7. The apparatus of claim 1, wherein the engaging end of the scanning module is formed in a jaw-shaped engaging end that slidably engages with an I-shaped portion of the racetrack.

8. A method of scanning a document sheet having a front side and an opposite reverse side, the method comprising:

providing a scanning module;

providing a scanning platform;

5 placing the document sheet on the scanning platform; and

driving the scanning module in motion along a path that includes a first portion and a second portion respectively facing the front and reverse sides of the document sheet to capture images of both front and reverse sides of the document sheet.

9. The method of claim 8, wherein a first image correction is performed before
10 the scanning module starts scanning of the front side of the document sheet.

10. The method of claim 8, wherein a second image correction is performed before the scanning module starts scanning of the reverse side of the document sheet.

11. The method of claim 8, wherein the document sheet is placed on the scanning platform by being fed along a direction orthogonal to the sliding direction of
15 the scanning module.

12. The method of claim 8, wherein after the scanning of the document sheet has been accomplished, the document sheet is released along a direction orthogonal to the sliding direction of the scanning apparatus.